

GRID 1.8iP

Highly scalable compute server based on Intel Xeon Scalable 3rd generation CPU

Key Features



19-inch - 2U / 2 CPU /
12 NVMe/SAS/SATA
Hot swaps drives



Dual Intel Xeon
Scalable 3r generation
Processors



32x DDR4 @ 3200MHz
Up to 8TB



11x PCIe 4.0 x16
including 1 x OCP 3.0
and 4 x16 for FLFH
GPUs



2000W redundant
Platinum



IPMI / iKVM with
ASPEED® AST2500



Air Cooling

Front view



3rd Gen Intel® Xeon® Scalable Processors

The GRID 1.8iP is built with the latest Intel® Xeon® Scalable Processors, and designed for the demand of high scalability, high density computing, and widest range of workloads. 3rd Gen Intel® Xeon® Scalable processors offer a balanced architecture with built-in acceleration and advanced security capabilities.

Maximum memory to manage and scale

With up to 8TB of memory, the GRID 1.8iP offers high flexibility to scale at will from simple hypervisor to the biggest ERP.

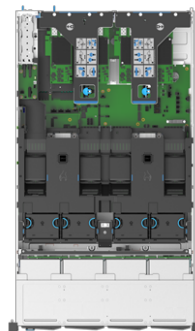
High GPU density to run you GPU Cloud based Applications and AI training/inference workloads

With 8 rear x16 PCIe slots apart from your low profile and OCP 3.0, the GRID 1.8iP allows you to run up to 8 Half Width Full Length or 4 Full Height Full Length to run any of your GPU/FPGA needs with full performance without any compromises.

Server backview



Server overview



SPECIFICATIONS

System	Model	GRID 1.8iP
	Form Factor	19-inch 2U
	Nodes	2 CPU
	Dimension	478.8mm (W) x 87mm (H) x 811.7mm (D)
Storage	Internal type	n/a
Motherboard	CPU	2x Socket P+ (LGA 4189) Intel® XEON® 3rd Generation Scalable Processors family TDP 270W maximum/CPU
	Chipset	System on chip
	GPU	Up to 4x Dual-width Nvidia® Tesla, Passive Quadro/AMD Passive Vega Pro/Mi serie Up to 8x Single-Width Nvidia® Tesla, Passive Quadro/AMD Passive Vega Pro/Mi serie
	Expansion slots	10x PCIe x16 (Gen4 x16 bus), including 1 x16 using mezzanine adapter 1x PCIe x16 OCP 3.0 (Gen4 x16 bus)
	BMC	Aspeed® AST2500
Memory	Total Slots	32 (8-channel, 8 DIMM) DDR4 memory supported only
	Capacity	Maximum up to 4096GB (with 128GB RDIMM / LRDIMM modules) Maximum up to 8192GB (with 256GB 3DS RDIMM / LRDIMM modules)
	Memory Speed	Up to 3200 MHz
Network		w/o
Front I/O	Ports	4x USB, 2 x 3.0 front, 1 x 3.0 rear, 1 x 2.0 rear 2x VGA, 1 x front, 1 x rear 1x RJ45 dedicated IPMI (MLAN)
	Switch/LED	1x Power button with LED 1x ID button with LED 1x Reset button 1x NMI button 1x System status LED
Management Solution	Out of Band Remote Management	BMC Remote control based on Aspeed® AST2500 remote management controller (Power Control Configuration, Chassis Identify, Boot Option, iKVM, BMC Account Configuration)
Power Supply	Type	2000W Platinum Redundant